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|---|--|---|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No. <b>M1071.1859/P1859</b>   |  |
|   |  | First Inventor <b>Takenori Sekijima</b>   |  |
|   |  | Title <b>METHOD FOR MANUFACTURING TERBIUM<br/>ALUMINUM-BASED PARAMAGNETIC GARNET<br/>SINGLE CRYSTAL</b> |  |
|   |  | Express Mail Label No. _____  |  |

  

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|---|--|---|--|
| <b>APPLICATION ELEMENTS</b>   |  | <b>ADDRESS TO:</b>  |  |
| <small>See MPEP chapter 600 concerning utility patent application contents.</small> |  | MS Patent Application<br>Commissioner for Patents<br>P.O. Box 1450<br>Alexandria, VA 22313-1450 |  |

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages **26**]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]

5. Oath or Declaration [Total Sheets **1**]

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.

17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☐ Customer Number: \_\_\_\_\_ OR ☒ Correspondence address below

|  |          |           |                |                     |
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|-------------------|--------------------------|-----------------------------------|-----------------|
| Name (Print/Type) | Edward A. Meilman        | Registration No. (Attorney/Agent) | 24,735          |
| Signature         | <i>Edward A. Meilman</i> | Date                              | August 20, 2003 |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| FEE TRANSMITTAL<br>for FY 2003   |  | Complete if Known    |                       |
|--|--|----------------------|-----------------------|
| Effective 01/01/2003, Patent fees are subject to annual revision.              |  | Application Number   | Not Yet Assigned      |
|  |  | Filing Date          | Concurrently Herewith |
|  |  | First Named Inventor | Takenori Sekijima     |
|  |  | Examiner Name        | Not Yet Assigned      |
|  |  | Art Unit             | N/A                   |
|  |  | Attorney Docket No.  | M1071.1859/P1859      |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 |  |                      |                       |
| TOTAL AMOUNT OF PAYMENT (\$)   |  | 790.00               |                       |

  

| METHOD OF PAYMENT (check all that apply)  | FEE CALCULATION (continued)   |              |              |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
|---|---|--------------|--------------|--|-----------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|---|------|------|------|------|------------------|---------------------------|------|------|-------|------|--------------------|--|------|------|------|------|------------------------|--|-------------------|------|--------|------|--------|---|--------------|------|---------|------|----|--|---|------|--------------------|------|--------|---|---|------|-----|------|--------------------|--|--|------|-------|------|-----|---|--------------|------|--------------|------|-----------------|--|----------|----------|----------|----------|------|------------------|------|------|------------------------|------|------|--|------|------|-----------------------------------|------|------|--------------------------|------|------|---------------------------------------|------|-------|---|------|------|--|------|------|----------------------------------|------|------|--|------|-------------------|------------------------------------|--|------|-------|------|-----|--------------------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|-------------------------------------|--|------|-----|------|-----|---|--|------|----|------|----|--|-------|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|---|--|---------------------|--|--|--|--|--|-----------------------------------|--|--|--|-------------------|-------|
| <input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None<br><input type="checkbox"/> Deposit Account<br>Deposit Account Number: <span style="border: 1px solid black; padding: 2px;">50-2215</span><br>Deposit Account Name: <span style="border: 1px solid black; padding: 2px;">Dickstein Shapiro Morin &amp; Oshinsky LLP</span><br>The Director is hereby authorized to: (check all that apply)<br><input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments<br><input type="checkbox"/> Charge any additional fee(s) during the pendency of this application<br><input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  | <h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1,970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>750</td><td>2801</td><td>375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="4">Other fee (specify)</td> <td></td> <td></td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;">SUBTOTAL (3) (\$)</td> <td style="text-align: right;">40.00</td> </tr> </tbody> </table> | Large Entity |              | Small Entity   |                 | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet. |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2,520 | 1812 | 2,520              | For filing a request for <i>ex parte</i> reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |                   | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |              | 1251 | 110     | 2251 | 55 | Extension for reply within first month |   | 1252 | 410                | 2252 | 205    | Extension for reply within second month |   | 1253 | 930 | 2253 | 465                | Extension for reply within third month |  | 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month |              | 1255 | 1,970        | 2255 | 985             | Extension for reply within fifth month |          | 1401     | 320      | 2401     | 160  | Notice of Appeal |      | 1402 | 320                    | 2402 | 160  | Filing a brief in support of an appeal |      | 1403 | 280                               | 2403 | 140  | Request for oral hearing |      | 1451 | 1,510                                 | 1451 | 1,510 | Petition to institute a public use proceeding |      | 1452 | 110  | 2452 | 55   | Petition to revive - unavoidable |      | 1453 | 1,300  | 2453 | 650               | Petition to revive - unintentional |  | 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) |  | 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) |  | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |  | Other fee (specify) |  |  |  |  |  | *Reduced by Basic Filing Fee Paid |  |  |  | SUBTOTAL (3) (\$) | 40.00 |
| Large Entity  |   | Small Entity |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1051  | 130   | 2051         | 65           | Surcharge - late filing fee or oath  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1052  | 50  | 2052         | 25           | Surcharge - late provisional filing fee or cover sheet.                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1053  | 130   | 1053         | 130          | Non-English specification  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1812  | 2,520   | 1812         | 2,520        | For filing a request for <i>ex parte</i> reexamination                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1804  | 920*  | 1804         | 920*         | Requesting publication of SIR prior to Examiner action                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1805  | 1,840*  | 1805         | 1,840*       | Requesting publication of SIR after Examiner action                        |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1251  | 110   | 2251         | 55           | Extension for reply within first month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1252  | 410   | 2252         | 205          | Extension for reply within second month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1253  | 930   | 2253         | 465          | Extension for reply within third month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1254  | 1,450   | 2254         | 725          | Extension for reply within fourth month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1255  | 1,970   | 2255         | 985          | Extension for reply within fifth month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1401  | 320   | 2401         | 160          | Notice of Appeal   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1402  | 320   | 2402         | 160          | Filing a brief in support of an appeal                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1403  | 280   | 2403         | 140          | Request for oral hearing   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1451  | 1,510   | 1451         | 1,510        | Petition to institute a public use proceeding                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1452  | 110   | 2452         | 55           | Petition to revive - unavoidable   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1453  | 1,300   | 2453         | 650          | Petition to revive - unintentional   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1501  | 1,300   | 2501         | 650          | Utility issue fee (or reissue)   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1502  | 470   | 2502         | 235          | Design issue fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1503  | 630   | 2503         | 315          | Plant issue fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1460  | 130   | 1460         | 130          | Petitions to the Commissioner  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1807  | 50  | 1807         | 50           | Processing fee under 37 CFR 1.17(q)  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1806  | 180   | 1806         | 180          | Submission of Information Disclosure Stmt                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 8021  | 40  | 8021         | 40           | Recording each patent assignment per property (times number of properties) | 40.00           |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1809  | 750   | 2809         | 375          | Filing a submission after final rejection (37 CFR 1.129(a))                |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1810  | 750   | 2810         | 375          | For each additional invention to be examined (37 CFR 1.129(b))             |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1801  | 750   | 2801         | 375          | Request for Continued Examination (RCE)                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1802  | 900   | 1802         | 900          | Request for expedited examination of a design application                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Other fee (specify)   |   |              |              |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| *Reduced by Basic Filing Fee Paid   |   |              |              | SUBTOTAL (3) (\$)  | 40.00           |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| <h3 style="margin: 0;">1. BASIC FILING FEE</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (1) (\$)</td> <td></td> <td style="text-align: right;">750.00</td> </tr> </tbody> </table><br><h3 style="margin: 0;">2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</h3> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td>Total Claims</td> <td>19</td> <td>-20** =</td> <td></td> <td>x</td> <td></td> <td>=</td> <td>0.00</td> </tr> <tr> <td>Independent Claims</td> <td>1</td> <td>-3** =</td> <td></td> <td>x</td> <td></td> <td>=</td> <td>0.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>=</td> <td></td> </tr> </table><br><table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (2) (\$)</td> <td></td> <td style="text-align: right;">0.00</td> </tr> </tbody> </table> <p style="font-size: 0.7em;">**or number previously paid, if greater; For Reissues, see above</p> | Large Entity  |              | Small Entity |  | Fee Description | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 750  | 2001 | 375  | Utility filing fee | 750.00                              | 1002 | 330  | 2002 | 165  | Design filing fee |   | 1003 | 520  | 2003 | 260  | Plant filing fee |                           | 1004 | 750  | 2004  | 375  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | SUBTOTAL (1) (\$) |      |        |      |        | 750.00  | Total Claims | 19   | -20** = |      | x  |  | = | 0.00 | Independent Claims | 1    | -3** = |   | x |      | =   | 0.00 | Multiple Dependent |  |  |      |       |      | =   |   | Large Entity |      | Small Entity |      | Fee Description | Fee Paid                               | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202 | 18               | 2202 | 9    | Claims in excess of 20 |      | 1201 | 84                                     | 2201 | 42   | Independent claims in excess of 3 |      | 1203 | 280                      | 2203 | 140  | Multiple dependent claim, if not paid |      | 1204  | 84  | 2204 | 42   | ** Reissue independent claims over original patent |      | 1205 | 18                               | 2205 | 9    | ** Reissue claims in excess of 20 and over original patent |      | SUBTOTAL (2) (\$) |                                    |  |      |       | 0.00 |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Large Entity  |   | Small Entity |              | Fee Description  |                 |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1001  | 750   | 2001         | 375          | Utility filing fee   | 750.00          |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1002  | 330   | 2002         | 165          | Design filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1003  | 520   | 2003         | 260          | Plant filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1004  | 750   | 2004         | 375          | Reissue filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1005  | 160   | 2005         | 80           | Provisional filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| SUBTOTAL (1) (\$)   |   |              |              |  | 750.00          |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Total Claims  | 19  | -20** =      |              | x  |                 | =               | 0.00     |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Independent Claims  | 1   | -3** =       |              | x  |                 | =               | 0.00     |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Multiple Dependent  |   |              |              |  |                 | =               |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Large Entity  |   | Small Entity |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1202  | 18  | 2202         | 9            | Claims in excess of 20   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1201  | 84  | 2201         | 42           | Independent claims in excess of 3  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1203  | 280   | 2203         | 140          | Multiple dependent claim, if not paid                                      |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1204  | 84  | 2204         | 42           | ** Reissue independent claims over original patent                         |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| 1205  | 18  | 2205         | 9            | ** Reissue claims in excess of 20 and over original patent                 |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |
| SUBTOTAL (2) (\$)   |   |              |              |  | 0.00            |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |   |      |      |      |      |                  |                           |      |      |       |      |                    |  |      |      |      |      |                        |  |                   |      |        |      |        |   |              |      |         |      |    |  |   |      |                    |      |        |   |   |      |     |      |                    |  |  |      |       |      |     |   |              |      |              |      |                 |  |          |          |          |          |      |                  |      |      |                        |      |      |  |      |      |                                   |      |      |                          |      |      |                                       |      |       |   |      |      |  |      |      |                                  |      |      |  |      |                   |                                    |  |      |       |      |     |                                |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |                                     |  |      |     |      |     |   |  |      |    |      |    |  |       |      |     |      |     |   |  |      |     |      |     |  |  |      |     |      |     |   |  |      |     |      |     |   |  |                     |  |  |  |  |  |                                   |  |  |  |                   |       |

  

| SUBMITTED BY      |                          | Complete (if applicable)          |                 |
|-------------------|--------------------------|-----------------------------------|-----------------|
| Name (Print/Type) | Edward A. Meilman        | Registration No. (Attorney/Agent) | 24,735          |
| Signature         | <i>Edward A. Meilman</i> | Telephone                         | (212) 896-5471  |
|                   |                          | Date                              | August 20, 2003 |